PERFORMANCE_SPHERE QueryCustomerAccount

EXECUTION_PRIORITY=HIGH

END QueryCustomerAccount

PROGRAM_ACTIVITY GetCustomerInfo

EXECUTION_PRIORITY=CRITICAL

RELATED_PERFORMANCE_SPHERE QueryCustomerAccount

END GetCustomerInfo

PROGRAM_ACTIVITY GetAccountBalance

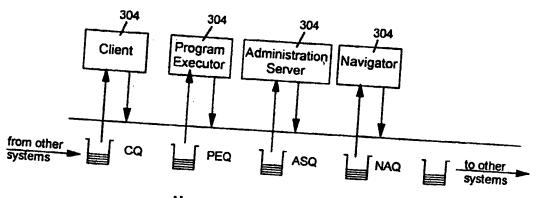
RELATED_PERFORMANCE_SPHERE QueryCustomerAccount

END GetAccountBalance

FIG. 1

EXECUTION PRIORITY CRITICAL	os	AIX	OS/2	
HIGH	14	• • •		
	10	• • •	• • •	
MEDIUM	7			
LOW	4		•	

FIG. 2



Message Queueing System

FIG. 3

Navigator locates activity

Navigator inserts request message into program executor queue

Program executor reads message from queue

Program executor launches the activity implementation

Program executor waits for completion

Program executor inserts completion message into navigator input queue

Navigator reads completion message

Navigator continues navigation

FIG. 4

Navigator locates activity

* Navigator sets message priority according to the execution priority of the activity

Navigator inserts request message into program executor queue

Program executor reads message from queue * according to message priority

Program executor sets its operating system priority according to the execution priority of the activity

Program executor launches the activity implementation
* with appropriate execution priority

Program executor waits for completion

* Program executor resets its operating system priority to default

Program executor inserts completion message into navigator input queue

Navigator reads completion message

Navigator continues navigation

FIG. 5

Navigator locates activity

* Navigator sets message priority according to the execution priority of the activity

Navigator inserts request message into program executor queue

Program executor reads message from queue according to message priority

Program executor sets its operating system priority according to execution priority of the activity

Program executor launches the activity implementation with appropriate execution priority

Program executor waits for completion

Program executor resets operating system priority to default

* Program executor sets message priority according to the execution priority of the performance sphere

Program executor inserts completion message into navigator input queue

Navigator reads completion message

* Navigator sets operating system priority according to execution priority of performance sphere

Navigator continues navigation

FIG. 6

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1.

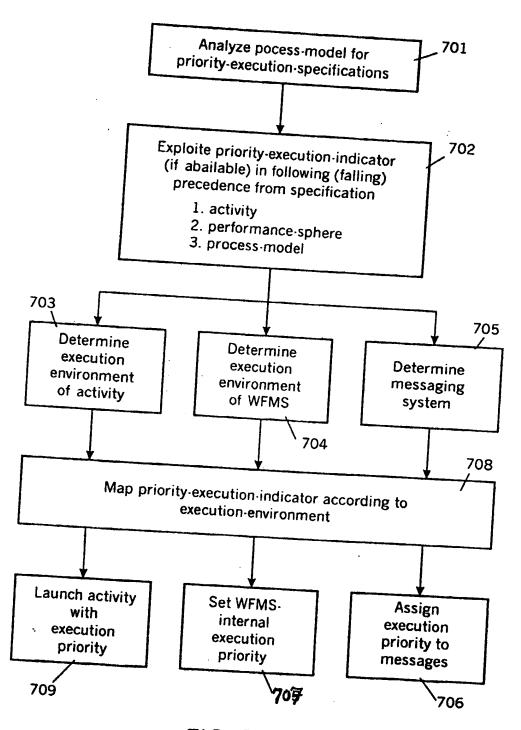


FIG. 7